



August 2, 2004

**VIA ELECTRONIC FILING**

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, DC 20554

**Re: T-Mobile USA, Inc. E-911 Quarterly Report**

Dear Ms. Dortch:

In accordance with the terms of the consent decree between T-Mobile USA, Inc. ("T-Mobile") and the Federal Communications Commission ("FCC" or "Commission") related to T-Mobile's deployment of E-911 Phase II services, T-Mobile hereby submits its August 2004 E-911 Quarterly Report ("Report").<sup>1</sup>

Over the past three months, T-Mobile has continued to make noteworthy progress in its E-911 deployment efforts. As of July 16, 2004, T-Mobile has deployed 1002 of the 1220 (or over 82% of the) requests it has received for Phase I service where it has coverage.<sup>2</sup> The total number of PSAPs receiving Phase I information from T-Mobile as of July 16, 2004 is 2273. With respect to Phase II, T-Mobile has made substantial strides in the deployment of its network-based Uplink-Time Difference of Arrival ("TDOA") solution for delivering Phase II location information to PSAPs.<sup>3</sup> As this work proceeds,

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<sup>1</sup> *In the Matter of T-Mobile, USA, Inc.*, Order, File No. EB-02-TS-012, FCC 03-172 (rel. July 17, 2003) ("T-Mobile Consent Decree").

<sup>2</sup> T-Mobile has received 362 additional Phase I requests for areas where it has no coverage or which are otherwise invalid under the Commission's rules.

<sup>3</sup> TDOA calculates a mobile phone's location by comparing the difference in the times at which a signal transmitted from the phone reaches three or more Location Measurement Units ("LMUs") installed in a wireless carrier's base stations.

T-Mobile continues to deliver its interim Phase II Network Safety Solution (“NSS”)<sup>4</sup> to PSAPs as required, even as it transitions those communities to TDOA.

T-Mobile anticipates that it will continue to fulfill the requirements contained in its consent decree to deploy Phase II services across its markets in a timely fashion.<sup>5</sup> In fact, as of July 30, 2004, T-Mobile has deployed 7,414 LMUs in its network, already fulfilling its consent decree benchmarks for deployment of TDOA equipment to 4,000 cell sites by August 17, 2004 and to 6,000 cell sites by November 17, 2005. Further, T-Mobile anticipates that it should meet the 2000 site activation benchmark falling due on August 17 – as of July 30, 2004 it has already activated 1269 sites with Phase II service.

#### **I. Phase I and Phase II Requests**

Paragraph 10(a) of T-Mobile’s consent decree requires that T-Mobile provide certain information on all pending Phase I and Phase II requests it has received. **Attachment A** to this Report provides the required information. This attachment follows the standardized reporting spreadsheet the Commission stated last year that Tier I carriers, including T-Mobile, should include with their Quarterly Reports beginning August 1, 2003.<sup>6</sup>

**Attachment A** lists all PSAPs covered by requests for Phase I and/or Phase II service received by T-Mobile as of July 16, 2004.<sup>7</sup> T-Mobile has indicated which requests have been deployed and the dates of deployments (note that in a number of cases T-Mobile has deployed Phase I E911 service to a PSAP without receiving a request from the PSAP but, in anticipation of receiving such a request, worked with the PSAP and its

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<sup>4</sup> NSS provides location information accurate to approximately 1000 meters or less to PSAPs. T-Mobile deployed NSS throughout its network in 2002, regardless of whether it had received a request from a PSAP for Phase II service.

<sup>5</sup> T-Mobile’s plan is designed to achieve the swiftest possible deployment of Phase II equipment and services across all of T-Mobile’s markets nationally. However, as the consent decree recognizes, T-Mobile is relying on the representations of its vendors in its plans to meet the deployment schedule contained therein. See T-Mobile Consent Decree at ¶ 8(c). Further, other issues such as PSAP readiness or LEC issues may impact a carrier’s ability to deliver Phase II information to PSAPs under the consent decree.

<sup>6</sup> Public Notice, *Wireless Telecommunications Bureau Standardizes Carrier Reporting on Wireless E911 Implementation*, DA 03-1902, CC Docket No. 94-102 (rel. June 6, 2003). T-Mobile has only included the fields for PSAPs in its licensed footprint from which it has received Phase I and Phase II requests. (T-Mobile automatically considers a request for Phase II information as incorporating a request for Phase I information.) T-Mobile has also updated its records and made the necessary adjustments to conform to the Commission’s recently revised E911 PSAP Master Registry. See Public Notice, *Wireless Telecommunications Bureau Announces Updates and Enhancements to FCC’s Master Public Safety Answering Point (PSAP) Registry*, DA 04-2255 (rel. July 23, 2004).

<sup>7</sup> Note that in accordance with Paragraph 10(a) of the T-Mobile Consent Decree, for all pending Phase I and Phase II requests, T-Mobile has reported in **Attachment A** the date on which it received the particular request from the PSAP.

service provider to complete the deployment). Where a PSAP's request has not been fulfilled, T-Mobile has supplied the projected deployment date,<sup>8</sup> and the reason(s) for delay if a PSAP's Phase I request has not been satisfied within 6 months from the date of receipt of the request. T-Mobile's projected deployment dates reflect its current estimate of when it should satisfy a PSAP's request for Phase I or Phase II services; these dates, however, depend on external factors such as vendor performance, and PSAP and LEC readiness, and could potentially change.

Regarding the field labeled "Invalid Request" on the spreadsheet, T-Mobile has placed a "Yes" in the field to designate a PSAP's request as invalid in cases where T-Mobile: (a) currently does not have coverage in the area for which the PSAP is responsible and therefore the request is invalid under the Commission's Rules;<sup>9</sup> or (b) has filed a certification with the FCC pursuant to the Richardson Recon Order.<sup>10</sup> In some cases T-Mobile has not received all the documentation required under the Richardson Order<sup>11</sup> to determine PSAP readiness, therefore these requests are marked as tolled per the Order. (T-Mobile has also noted where the requests are classifiable as "tolled" if received after the effective date of the Richardson Recon Order.) **With the exception of instances in which it does not have coverage, however, T-Mobile's operating policy is not to delay implementation based on questions about the validity of a particular request, but to proceed to deploy the request as much as possible.** T-Mobile does reserve the right in the future to assert the invalidity of a request, or to file a certification with the FCC regarding a particular request, should circumstances arise that warrant such action, notwithstanding the fact that it does not categorize a particular request as invalid in this Report.

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<sup>8</sup> In the case of PSAP requests in the states of California and Nevada, T-Mobile is relying on the projected deployment dates given to it pursuant to the existing joint venture company established by T-Mobile and Cingular Wireless for the provision of services in those states. See "Cingular, VoiceStream to Share Wireless Networks in New York, California and Nevada," available at <http://www.t-mobile.com/company/pressroom/pressrelease19.asp>. Recently, T-Mobile and Cingular announced an agreement under which the companies agreed to terminate this joint venture company and for T-Mobile to acquire Cingular's network and certain spectrum holdings in California and Nevada. See "T-Mobile USA to End Network Venture with Cingular and Acquire California/Nevada Network and Spectrum," available at <http://www.t-mobile.com/company/pressroom/pressrelease100.asp>. T-Mobile expects that this transaction will close at the beginning of 2005.

<sup>9</sup> See 47 C.F.R. § 20.18(a).

<sup>10</sup> *Petition of City of Richardson*, Order on Reconsideration, CC Docket No. 94-102, 17 FCC Rcd 24282 (2002) ("Richardson Recon Order").

<sup>11</sup> *Petition of City of Richardson*, Order, CC Docket No. 94-102, 16 FCC Rcd 18982 (2001) ("Richardson Order").

## **II. T-Mobile Location Technology Compliance**

Paragraph 10(b)(1) of T-Mobile's consent decree requires that each Quarterly Report contain a statement of whether T-Mobile's network based technology for delivering Phase II information meets the Commission's network based accuracy requirements. T-Mobile hereby reports that to date, the network-based location technology deployed for delivering E911 Phase II location information does meet the Commission's network-based accuracy requirements of 100 meters for 67 percent of calls and 300 meters for 95 percent of calls.

## **III. Two Thousand Cell Site Deployment Benchmark**

Paragraph 10(b)(3) of T-Mobile's consent decree also requires that T-Mobile's Quarterly Reports contain statements regarding whether T-Mobile has met each deployment benchmark falling due in the period immediately preceding the Quarterly Report. T-Mobile reports today that it has met, well ahead of schedule, the milestone contained in Paragraph 8(a)(3) of the consent decree – deployment of compliant Phase II technology at a minimum of 2,000 cell sites by May 17, 2004, giving priority to markets with pending, valid PSAP requests. T-Mobile identifies these sites in **Attachment B**. Deployed sites are located in T-Mobile's Houston, Texas, Dallas, Texas, St. Louis, Missouri, Minneapolis, Minnesota, Seattle, Washington, Philadelphia, Pennsylvania, New York/New Jersey and Virginia markets. All of these markets have pending Phase II requests.

No other deployment benchmarks fell due in the preceding three-month period.

## **IV. NSS/E-OTD**


Pursuant to paragraph 10(b)(10) of T-Mobile's consent decree, T-Mobile confirms that it continues to provide NSS location information to PSAPs for all deployments that were receiving and utilizing such location information as of the Effective Date of the decree (the sole exception being those instances in which PSAPs have agreed to migrate from NSS as they transition to TDOA service).<sup>12</sup> Further, T-Mobile has worked with each of the three PSAPs receiving E-OTD location information as of the Effective Date of the consent decree on a plan for the termination of the provision of E-OTD information and the transition to the provision of TDOA location information. Specifically, E-OTD has been de-commissioned in St. Clair, Illinois, Denton, Texas and the State of Rhode Island. T-Mobile is providing TDOA location information in St. Clair, Illinois. At the present time, T-Mobile projects to activate TDOA service in Rhode Island by August 31, 2004, and in Denton, Texas by November 30, 2004. (Denton, Texas has migrated from NSS already, while Rhode Island continues to receive NSS information).

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For PSAPs already receiving Phase II TDOA service, NSS information is not being provided.

Finally, included with this letter is a declaration from an officer of T-Mobile attesting to the truth and accuracy of this Report, pursuant to Paragraph 10 (c) of T-Mobile's consent decree. T-Mobile is serving this Report on the Executive Directors and counsel for the Association of Public-Safety Communications Officials-International, Inc., the National Emergency Number Association, and the National Association of State Nine One One Administrators, as provided for in the decree. Please contact the undersigned should there be further questions.

Respectfully submitted,



Robert A. Calaff  
Director – Federal Policy

**Attachments**


cc: David Solomon, Chief, Enforcement Bureau  
John Muleta, Chief, Wireless Telecommunications Bureau  
Tim Ryan, Interim Executive Director, APCO  
Robert Gurss, Director of Legal and Government Affairs, APCO  
Dr. Robert Cobb, Interim Executive Director, NENA  
James R. Hobson, Counsel, NENA  
Steve Marzolf, President, NASNA

Sheryl Wilkerson, Office of Chairman Powell  
Jennifer Manner, Office of Commissioner Abernathy  
Paul Margie, Office of Commissioner Copps  
Sam Feder, Office of Commissioner Martin  
Barry Ohlson, Office of Commissioner Adelstein  
Catherine Seidel, Wireless Bureau  
Aaron Goldberger, Wireless Bureau  
D'wana Terry, Wireless Bureau  
Patrick Forster, Wireless Bureau  
Lisa Fowlkes, Enforcement Bureau  
Katherine Berthot, Enforcement Bureau

**DECLARATION OF TIMOTHY WONG**

I declare under penalty of perjury that to the best of my knowledge the foregoing is true and correct.

Executed on August 2, 2004

A handwritten signature in black ink, appearing to read 'Timothy Wong', is written over a horizontal line.

**Timothy Wong**  
**Executive Vice President &**  
**Chief Technology Officer**  
**T-Mobile USA, Inc.**  
**12920 S.E. 38th Street**  
**Bellevue, WA 98006**